

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| S1 | 695 | ((computer same redundant) or (computer with redundant)) and actuator\$1 and signal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/13 08:42 |
| S2 | 1591 | (redundant same actuator) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/13 08:43 |
| S3 | 6339 | (redundan\$2 same (computer or ECU or processor)) and ((analog or digital) near2 signal) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/13 08:44 |
| S4 | 96 | S2 and S3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/13 08:44 |
| S5 | 15 | ("4096989" "4130241" "4327437" "4345191" "4472780" "4622667" "4785403" "4787041" "4887214" "4996687" "5054026" "5088021" "5195040" "5202980" "5274554").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/13 09:06 |
| S6 | 9 | ("3596107" "3783250" "4130241" "4849893" "4967347" "4995040" "5278843" "5297052" "5423024").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/13 09:12 |
| S7 | 468 | ("701"/\$.ccls. or "702"/\$.ccls. or "714"/\$.ccls. or "371"/\$.ccls.) and (redundan\$3 with (computer or processor)) and threshold and error | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/27 06:52 |

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|--|---|------------------|---------|------------------|
| S1 | 1724 | aircraft and (ADC with computers or processors or ECUs or "electronic controllers") and actuators | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 14:38 |
| S2 | 402 | aircraft and (fly-by-wire) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/20 11:07 |
| S3 | 62 | (aircraft and (ADC with computers or processors or ECUs or "electronic controllers") and actuators) and (aircraft and (fly-by-wire)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/20 11:07 |
| S4 | 8 | ("3744300" "4179940" "4639997" "4796192" "5079955" "5182449" "5305645" "5383133").PN. | USPAT | OR | ON | 2004/05/20 11:58 |
| S5 | 9 | ("3596107" "3783250" "4130241" "4849893" "4967347" "4995040" "5278843" "5297052" "5423024").PN. | USPAT | OR | ON | 2004/05/20 12:21 |
| S6 | 12940 | ("701"/\$.ccls. or "244"/\$.ccls.) and (fly-by-wire with computer or "redundant computer\$" or controllers) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/27 14:39 |
| S7 | 210 | ("701"/\$.ccls. or "244"/\$.ccls.) and aircraft and (digital near analog) and actuator\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/27 14:40 |
| S8 | 2 | ("5515282").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/05/27 14:45 |
| S9 | 8 | ("3596107" "3783250" "4130241" "4849893" "4967347" "4995040" "5278843" "5297052").PN. | USPAT | OR | ON | 2004/05/27 14:47 |

EAST Search History

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|-----|-------|---|---|----|----|------------------|
| S10 | 110 | ((("701"/\$.ccls. or "244"/\$.ccls.) and (fly-by-wire with computer or "redundant computer\$" or controllers)) and (("701"/\$.ccls. or "244"/\$.ccls.) and aircraft and (digital near analog) and actuator\$) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/27 15:29 |
| S11 | 15331 | aircraft and (fly-by-wire with computer or "redundant computer\$" or controllers) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/27 15:36 |
| S12 | 10 | ("5493497" "5515282" "5710776" "5802077" "4471481").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/27 15:30 |
| S13 | 3127 | (aircraft and (fly-by-wire with computer or "redundant computer\$" or controllers)) and actuator\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/27 15:37 |
| S14 | 2608 | ((aircraft and (fly-by-wire with computer or "redundant computer\$" or controllers)) and actuator\$) and (signal or signals with digital or analog) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/27 15:37 |
| S15 | 37095 | aircraft and (error or malfunction or failure or fail) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/27 15:38 |
| S16 | 1750 | ((((aircraft and (fly-by-wire with computer or "redundant computer\$" or controllers)) and actuator\$) and (signal or signals with digital or analog)) and (aircraft and (error or malfunction or failure or fail)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/27 15:51 |
| S17 | 15331 | aircraft and (fly-by-wire with computer or "redundant computer\$" or controllers) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/27 15:52 |
| S18 | 12532 | aircraft and (fly-by-wire with atuator or actuators) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/27 15:52 |

EAST Search History

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|-----|------|--|---|----|-----|------------------|
| S19 | 3127 | (aircraft and (fly-by-wire with computer or "redundant computer\$" or controllers)) and (aircraft and (fly-by-wire with atuator or actuators)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/27 15:52 |
| S20 | 2088 | ((aircraft and (fly-by-wire with computer or "redundant computer\$" or controllers)) and (aircraft and (fly-by-wire with atuator or actuators))) and aircraft.bsum. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/27 15:53 |
| S21 | 112 | ((aircraft and (fly-by-wire with computer or "redundant computer\$" or controllers)) and (aircraft and (fly-by-wire with atuator or actuators))) and aircraft.bsum.) and fly-by-wire.bsum. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/28 09:01 |
| S22 | 14 | ("3679156" "3905241" "4150686" "4244277" "4472780" "4567813" "4807516" "4887214" "5036469" "5374014" "5670856" "5764502" "5806805" "5823468").PN. | USPAT | OR | ON | 2004/05/27 16:02 |
| S23 | 14 | ("3679156" "3898916" "4079906" "4130241" "4345191" "4398242" "4472780" "4542679" "4567813" "4807516" "4887214" "5036469" "5374014" "5670856").PN. | USPAT | OR | ON | 2004/05/27 16:25 |
| S24 | 14 | ("3679156" "3898916" "4079906" "4130241" "4345191" "4398242" "4472780" "4542679" "4567813" "4807516" "4887214" "5036469" "5374014" "5670856").PN. | USPAT | OR | ON | 2004/05/27 16:28 |
| S25 | 149 | 244/196 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/28 09:22 |
| S26 | 245 | aircraft and fly-by-wire.bsum. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/28 09:23 |
| S27 | 2 | ("6366837").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/05/28 10:12 |

EAST Search History

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| S28 | 10 | ("4109886" "4460964" "4567813" "4807516" "4887214" "5036469" "5374014" "5670856" "5806805" "5833177").PN. | USPAT | OR | ON | 2004/05/28 09:56 |
| S29 | 346 | aircraft and (fly-by-wire or (fly near wire)) and (computers or controllers or processors with actuators) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/28 10:33 |
| S30 | 0 | aircraft and ("integrated modular avionics" with IMA) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/28 10:34 |
| S31 | 17 | aircraft and ("integrated modular avionics" with IMA) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/05/28 10:35 |
| S32 | 2 | ("6443399").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/08 09:38 |
| S33 | 14 | ("3679156" "3905241" "4150686" "4244277" "4472780" "4567813" "4807516" "4887214" "5036469" "5374014" "5670856" "5764502" "5806805" "5823468").PN. | USPAT | OR | ON | 2004/07/08 09:38 |
| S34 | 14 | ("3679156" "3898916" "4079906" "4130241" "4345191" "4398242" "4472780" "4542679" "4567813" "4807516" "4887214" "5036469" "5374014" "5670856").PN. | USPAT | OR | ON | 2004/07/08 09:48 |
| S35 | 2 | ("6366837").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/08 09:58 |
| S36 | 14 | ("3679156" "3898916" "4079906" "4130241" "4345191" "4398242" "4472780" "4542679" "4567813" "4807516" "4887214" "5036469" "5374014" "5670856").PN. | USPAT | OR | ON | 2004/07/08 09:55 |

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|-----|-----|--|---|----|-----|------------------|
| S37 | 173 | (244/195).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/07/08 10:17 |
| S38 | 22 | aircraft and (flight with computer\$ or controllers) and actuators and (computing with redundan\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/08 10:19 |
| S39 | 125 | aircraft and (fly near wire) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/16 15:34 |
| S40 | 405 | aircraft and fly-by-wire | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/16 15:35 |
| S41 | 27 | (aircraft and fly-by-wire) and (redundant with computers) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/16 15:35 |
| S42 | 9 | ("3596107" "3783250" "4130241" "4849893" "4967347" "4995040" "5278843" "5297052" "5423024").PN. | USPAT | OR | ON | 2004/07/16 15:42 |
| S43 | 0 | "760973".URPN. | USPAT | OR | ON | 2004/07/16 15:52 |
| S44 | 0 | "760973".URPN. | USPAT | OR | ON | 2004/07/16 15:53 |
| S45 | 87 | "244"\$.ccls. and (redundan\$2 with computers) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/08/07 10:45 |
| S46 | 14 | ("3679156" "3905241" "4150686" "4244277" "4472780" "4567813" "4807516" "4887214" "5036469" "5374014" "5670856" "5764502" "5806805" "5823468").PN. | USPAT | OR | ON | 2004/08/07 10:06 |
| S47 | 42 | "244"\$.ccls. and (redundancy with computers) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/08/07 10:50 |

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|----------|-------|---|---|----|----|------------------|
| S48 | 14746 | ((redundancy or redundant) with (computers or controllers or processors)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/08/07 10:51 |
| S49 | 1458 | ((((redundancy or redundant) with (computers or controllers or processors))) and ((digital or analog) with converter) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/08/07 10:53 |
| S50 | 169 | (((((redundancy or redundant) with (computers or controllers or processors))) and ((digital or analog) with converter)) and (aircraft or airplane or avionic) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/08/07 10:55 |
| S15 5 | 730 | ((computer or processor or microprocessor) with (pair or pairs)) and (converter or "analog-to-digital converter" or "digital-to-analog converter" or ADC) and (actuator or actuators) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/06 09:12 |
| S15 6 | 545 | S155 and @py<"2003" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/06 09:16 |
| S15 7 | 0 | ((computers near pair) same bus) and (ADC same actuators) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/06 09:17 |
| S15 8 | 64 | ((computers near pair) same bus) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/06 09:23 |
| S15 9 | 85763 | ((computers or processors or microprocessors) with (converter or "analog to digital converter" or "digital to analog converter" or ADC or DAC)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/06 09:26 |
| S16 0 | 67403 | S159 and @py<"2003" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/06 09:26 |

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|----------|------|--|---|----|-----|------------------|
| S16 1 | 2750 | S160 and (computers or processors or microprocessors).bsum. and actuators | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/06 09:27 |
| S16 2 | 394 | S161 and (redundant or redundancy) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/06 09:27 |
| S16 3 | 2 | ("6443399").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/16 14:51 |
| S16 4 | 147 | ("340"/\$.ccls. or "342"/\$.ccls.) and ((aircraft or airplane or helicopter) same (computers or ECU or "control units")) and actuator\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/17 14:41 |
| S16 5 | 1 | ((computers with redundant) same actuators same (ADC or converter)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/24 15:06 |
| S16 6 | 73 | ((computers with redundant) same converter) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/24 15:06 |

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|----------|-----|--|---|----|-----|------------------|
| S16 7 | 104 | ("3377623" "3593307" "3636331" "3665173" "3681578" "3735356" "3783250" "3845356" "3895223" "3898621" "3921149" "4015246" "4032757" "4049957" "4099234" "4101958" "4105900" "4133027" "4153198" "4159444" "4198678" "4228496" "4251873" "4270168" "4270715" "4271505" "4276648" "4277832" "4304001" "4342083" "4345327" "4347563" "4347564" "4352103" "4356546" "4358823" "4371754" "4375683" "4392199" "4412280" "4424559" "4443861" "4472806" "4517639" "4517673" "4530045" "4532630" "4562575" "4580248" "4583224" "4610013" "4616312" "4617475" "4622667" "4631693" "4634110" "4635184" "4639852" "4644538" "4656475" "4663704" "4665522" "4667284" "4672530" "4683105" "4685053" "4692932" "4695952" "4713832" "4726026" "4748594" "4752869" "4774709" "4794601" "4797884" "4799140" "4817091" "4823256" "4841232" "4858101" "4868826" "4868851" "4872106" "4872213" "4897640" "4916612" "4916695" "4926364" "4933940" "4955020" "4958270" "4959768" "4965745" "4967347" "4975931" "4995040" "4998194" "5008805" "5271023" "5276823" "5442620" "5452443" "Re33521").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/24 15:13 |
| S16 8 | 2 | ("6061809").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/24 15:20 |